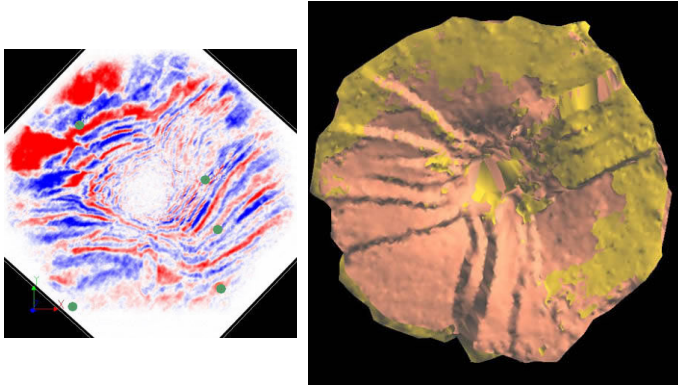


Case 4: Highly faulted Salt Imaging & Drilling

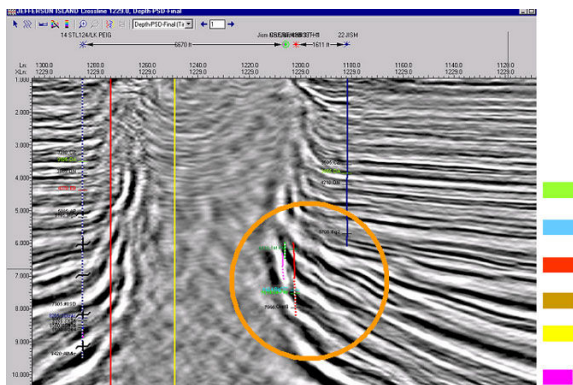


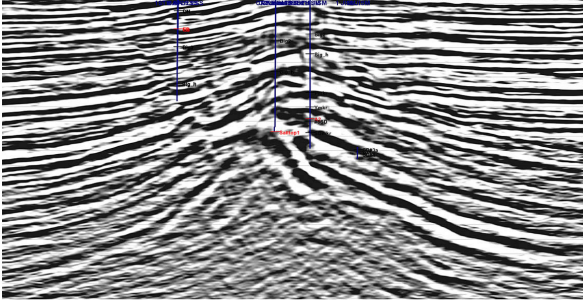
Software: [iDEPTH](#) 3D velocity modeling and reflection tomography were the key success factors.

Results: Improved seismic depth imaging of highly faulted salt area, allowed client to drill two consecutive successful well.

Problem: Prior to coming to SeisLink, client drilled two consecutive dry holes, based upon a pre-stack depth migration from major seismic processing vendors.

Solution: [iDEPTHing](#) was applied on this on-shore highly faulted salt area to provide accurate velocity models and reflection tomography was used for velocity updating. The results were remarkably superior in imaging and in well tying. [Kirchhoff Pre-Stack Depth Migration](#) produced very accurate imaging results, which led to successful drillings. The following imaging results are the consequence of [iDEPTHing](#). The figures are showing two arbitrary lines with significantly improved imaging. All well markers around salt dome were tied very accurately.





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